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[illegible]

The method for acquiring fingerprint by using a linear fingerprint detecting sensor comprises the steps of: capturing a fingerprint image sequentially through the fingerprint detecting sensor; dividing scanned fingerprint image as a predetermined segments according to a constant time and speed; detecting the optimum overlap region by comparing each image strip and its segment with the next image strip; calculating the value of mean image variation through the overlap region; and mixing the entire image by applying the mean image variation value to each image strip. According to the present invention, the method for acquiring fingerprints by a linear fingerprint detecting sensor in accordance with the present invention can improve the correct recognition rate greatly by estimating and compensating for the scanned image by the fingerprint detecting sensor and accurately restoring the same to the original image.